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APPLICATION NO	O.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/019,661	10/019,661 04/29/2002		Lian-Hui Zhang	2577-127	5708	
6449	7590	04/13/2004		EXAMINER		
ROTHW	ELL, FIG	G, ERNST & MAN	KUBELIK, ANNE R			
- 1425 K ST	TREET, N.	W.				
SUITE 80			ART UNIT	PAPER NUMBER		
	GTON, D	C 20005	1638			
				DATE MAILED: 04/13/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

10/019,661	ZHANG ET AL.
	ZHANG ET AL.
Examiner	Art Unit
Anne R. Kubelik	1638
appears on the cover sheet w	ith the correspondence address
DN. R 1.136(a). In no event, however, may a n. a reply within the statutory minimum of thir	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
1/20/04 and 11/17/03.	
This action is non-final.	
owance except for formal mat	ters, prosecution as to the merits is
ler <i>Ex parte</i> Quayle, 1935 C.E	D. 11, 453 O.G. 213.
ending in the application.	
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t to restriction and/or election	requirement.
niner.	
accepted or b) objected to	by the Examiner.
the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).
· ·	g(s) is objected to. See 37 CFR 1.121(d) d Office Action or form PTO-152.
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	EPLY IS SET TO EXPIRE 1 NON. R 1.136(a). In no event, however, may a not a reply within the statutory minimum of this period will apply and will expire SIX (6) MON tatute, cause the application to become Al nailing date of this communication, even if a non-final. Divance except for formal mather Ex parte Quayle, 1935 C.E. and the drawing (s) be held in abeyangerection is required if the drawing the Examiner. Note the attached the eign priority under 35 U.S.C. and the have been received in Annets have be

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ______

4)	Interview Summary (PTO-413)
	Paper No(s)/Mail Date
5) 🗌	Notice of Informal Patent Application (PTO-152)
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6) 🔲 Other: ___

Election/Restrictions

1. The restriction of 16 September 2003 is withdrawn in favor of the restriction below:

2. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions that are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, Applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1, 3-5, 7, 9-13 and 19-21, drawn to a nucleic acid encoding a bacterial autoinducer inactivation protein, expression vectors comprising it, cells transformed with the vector, a method for increasing disease resistance in a plant by transformation, and a method of isolating the nucleic acid.

Group II, claim(s) 7, 9-13, drawn to a method for increasing disease resistance in an animal by transformation with a nucleic acid that hybridizes to SEQ ID NO:1.

Group III, claim(s) 6, 14 and 16, drawn to bacterial autoinducer inactivation protein, compositions comprising it, and a method for reducing bacterial damage to a plant or animal by topical administration.

Group IV, claim(s) 18, drawn to a method for screening bacterial isolates for autoinducer inactivation activity.

Group V, claim(s) 22-25, drawn to a method for screening a bacterial cell for changed biological function.

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The inventions listed as Groups I-V do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features.

The DNA of Group I would not necessarily encode the protein of Group III; thus, the groups are not coextensive and do not share a special technical feature. It is noted that the nucleic acid of claim 1 would not necessarily even encode an autoinducer protein.

Group II is a second method of using the nucleic acid of Group I, and Group V is a third method for using the nucleic acid of Group I.

Group III is a second product and a method of using it.

Group IV is a second method of using the product of Group III.

Applicant is reminded that under lack of unity rules, they are entitled to examination of one product, one method of using it and one method of making it.

Applicant is advised that for the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anne R. Kubelik, whose telephone number is (571) 272-0801. The examiner can normally be reached Monday through Friday, 8:30 am - 5:00 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amy Nelson, can be reached at (571) 272-0804. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to Customer Service at (571) 272-0547.

Anne R. Kubelik, Ph.D. April 5, 2004

ANNE KUDILLIK PATENY EXAMPLER